DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD AND APPARATUS FOR MANAGING COMMUNICATIONS BETWEEN A CLIENT AND A SERVER IN A NETWORK

he specification	on of which							
x	is attached h	ereto.						
<u></u>	was filed on	22000			as			
		d States Application	Number					
	or PC	CT International A	pplicatio	n Number				
	and v	was amended on						
		was amended on		(if applica	ole)			•
hereby state ncluding the c	that I have revi claim(s), as ame	iewed and understanded by any amend	and the o Iment ref	ontents of the erred to above	above-ide	ntified	specifica	ıtion,
		sclose all informatio ederal Regulations,			naterial to p	oatenta	bility as	
oreign applica ny foreign ap	ation(s) for pate	y benefits under Tilent or inventor's ce atent or inventor's or v is claimed:	rtificate l	isted below a	nd have als	so iden	tified be	
Prior Foreign	Application(s)	The state of the s		,		Prior <u>Clain</u>	•	
(Numbe	er)	(Country)	(D	ny/Month/Ye	ear Filed)	Yes	No	
(Numbe	<u></u>	(Country)	(D	/Month/Ye	ear Filed)	Yes	No	

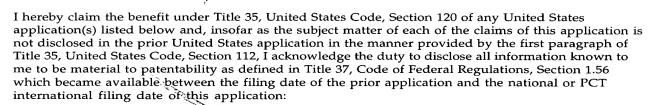
I hereby claim the benefit under title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below

(Day/Month/Year Filed)

(Application Number)	Filing Date		
(Application Number)	Filing Date		

(Country)

(Number)



(Application Number)	Filing Date	(Status patented, pending, abandoned)
(Application Number)	Filing Date	(Status patented, pending, abandoned)

I hereby appoint Aloysius T. C. AuYeung, Reg. No. 35,432; William Thomas Babbitt, Reg. No. 39,591; Kent D. Baker, Reg. No. 38,822; Jordan Michael Becker, Reg. No. 39,602; Bradley J. Bereznak, Reg. No. <u>33,474; Mi</u>chael A. Bernadicou, Reg. No. <u>35,934; Rog</u>er W. Blakely, Jr., Reg. N<u>o. 25,8</u>31; Gregory D. Caldwell, Reg. No. 39,926; Kent M. Chen, Reg. No. 39,630; Lawrence M. Cho, Reg. No. 39,942; Thomas M. Coester, Reg. No. P39,637; Roland B. Cortes, Reg. No. 39,152; William Donald Davis, Reg. No. 38,428; Daniel M. De Vos, Reg. No. 37,813; Karen L. Feisthamel, Reg. No. 40,264; Scot A. Griffin, Reg. No. 38,167; David R. Halvorson, Reg. No. 33,395; Brian Don Hickman, Reg. No. 35,894; Eric Ho, Reg. No. P39,711; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Jeffrey D. Jacobs, Reg. No. 40,029; Dag H. Johansen, Reg. No. 36,172; Stephen L. King, Reg. No. 19,180; Dolly M. Lee, Reg. No. 39,742; Daniel C. Mallery, Reg. No. 33,532; Michael J. Mallie, Reg. No. 36,591; Kimberley G. Nobles, Reg. No. 38,255; Ronald W. Reagin, Reg. No. 20,340; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Allan T. Sponseller, Reg. No. 38,318; Steven R. Sponseller, Reg. No. 39,384; David R. Stevens, Reg. No. 38,626; Edwin H. Taylor, Reg. No. 25,129; Lester J. Vincent, Reg. No. 31,460; John Patrick Ward, Reg. No. 40,216; Ben J. Yorks, Reg. No. 33,609; and Norman Zafman, Reg. No. 26,250; my attorneys; and Gary B. Goates, Reg. No. 35,159; Michael Anthony DeSanctis, Reg. No. 39,957; Charles E. Shemwell, Reg. No. 40,171; Edwin A. Sloane, Reg. No. 34,728; and Judith A. Szepesi, Reg. No. 39,393; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

	* 3		
	JORDAN M. BEĞKER		SOKOLOFF, TAYLOR &
	- (Name of Attorne) or Ag	gent)	
ZAFMAN, 12400 Wilshire	Boulevard 7th Floor, Lo	s Angeles, California 9	00025 and direct telephone
calls toJORDAN	M. BECKER	(408) 720-8598.	•
(Na	me of Attorney or Agent)		

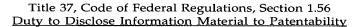
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First/Jo	oint Inventor <u>Stephen G. Perl</u>	man	
Inventor's Signature	My My	Date_	3 June 1996
Residence	Mountain View, California (City, State)	CA Citizenship	U.S.A. (Country)
Post Office Address	721 Tiana Lane		(Country)
	Mountain View, Californ	nia U.S.A.	·

Rev. 04/01/96 (D2) cak



Residence Los Altos, California CA Citizenship U.S.A. (Country) Post Office Address 400 Fir Lane Los Altos, California 94024 U.S.A.
Post Office Address 400 Fir Lane Los Altos, California 94024 U.S.A.
Los Altos, California 94024 U.S.A.
NO.



- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



Attorney's Dock	et J.P005		SIGNMENT n Prior To Filing Patent A		PATENT
In conside	eration of good	d and valuable consid	eration, the receipt of which	is hereby acknowledg	jed, <u>we</u>
the undersigned.	STEPHEN	G. PERLMAN and F	PHILLIP Y, GOLDMAN		
<u> </u>					
hereby sell, assign,	and transfer to _	WebTV Networks, In	nc.	•	
a corporation of	CALIFORNIA	, ha	ving a principal place of busi	ness at <u>275 ALMA S</u>	TREET.
PALO ALTO	CALIFORNIA 9	H301		, ("Assignee")
and its successors all foreign countries patent that has be	s, assigns, and es, in and to ar en executed b	d legal representative ny and all improveme ny the undersigned pri	es, the entire right, title, and nts that are disclosed in the ior hereto or concurrently he NAGING COMMUNICATION:	d interest for the Unite application for the Un erewith on the dates in	ed States and nited States
applications that himprovements; an and all foreign cou. United States appagree that name; and that, wand legal represent early divisio improvements; ex Assignee, its succimprovements and representatives in said improvement successors, assigned improvement success	application are ave been or side in and to all untries on said olication; at said Assigned then requested in all right beessors, assigned the history the securing and securing and legal to with said Assicense, or other all right of the said Assicense, or other and the said Assicense, or other all right of the said Assicense, or other and the said Assicense.	hall be filed in the Un original and reissued improvements; and in the may apply for and down without charge to, for yout in good faith the substitute, renewal, ful oaths, assignment and representative maintaining proper prications for patents a representatives; and signee, its successors ar agreement affecting	nuing, substitute, renewal, reited States and all foreign of patents that have been or so and to all rights of priority receive a patent or patents but at the expense of, said the intent and purpose of this, reissue, and all other pate s, powers of attorney, and we all facts known to the urassist said Assignee, its statent protection for said improduced improduced that the said improduced improduced in the said improduced improduced in the said improduced in the said improduced improduced in the said in th	ountries on any of sai shall be issued in the la resulting from the filing for said improvements Assignee, its success Assignment, the und not applications on any other papers; commun dersigned relating to successors, assigns, o provements and for very ements, in said Assi sentatives that no ass rein conveyed has be	d United States g of said sin its own sors, assigns, ersigned will and all said said r sting title to gnee, its ignment, en made to
Each Invent	tor: Plea	se Sign <u>and</u>	Date Below:	Each Inventor: also list the d you signed the accompanying DECLARATION POWER OF A	ate that e AND
1/2	ai	1 <i>///</i> ////	-4///	1 3 Tuna	01
6/3	, 19 <u>76</u>	Name: STEPHE	MA DEDOMAN	3 Jun-e Date 6/3	, 19 <u>76</u>
Date / /a	<i>a</i> (Name: STEPHE	N G. PEHLMAN	Date	01
6/3	, ₁₉ 7 6	Jehn 9.	<u> </u>	6/3	, ₁₉ 76
Date		Name: PHILLIP	Y. GOLDMAN	Date	
	, 19				, 19
Date	-	Name:		Date	
	, 19				. 19
Date	_, 19	Name:		Date	_, 19
	_, 19	News		D-4-	_, 19
Date		Name:		Date	
	_, 19				_, 19
Date		Name:		Date	
the undersigned No	of otary Public, pers nown to me [_	} SS. 19, before me, _ sonally appeared] proved to me on th	Assignment Document Res BLAKELY, SOKOLOFF, To 12400 Wilshire Blvd., Seve Los Angeles, CA 90025-1 (408) 720-8598	AYLOR & ZAFMAN enth Floor 026 ence to be the person(s) whose
WITNESS my ha			,		